

AMENDMENTS TO THE CLAIMS:

1-8. (Cancelled).

9. (New) An evacuated glass panel having a degassing device, comprising:

at least two planar glass sheets;

support means disposed between said at least two planar glass sheets;

an edge frame component sealed around a periphery of said at least two planar glass sheets to form an evacuated space between said at least two planar glass sheets;

two grooves formed on two opposite inner surfaces of said at least two planar glass sheets, said two grooves being aligned with each other;

a degassing device placed between said two grooves within said evacuated space of said at least two planar glass sheets; and

a low melting point glass powder layer disposed between said degassing device and at least one of said two grooves to fix and joint said degassing device.

10. (New) The evacuated glass panel as claimed in claim 9, wherein said low melting point glass powder layer has a thermal conductivity smaller than the thermal conductivity of said at least two planar glass sheets.

11. (New) The evacuated glass panel as claimed in claim 9, wherein said grooves have a square, circular or cone shape.

12. (New) The evacuated glass panel as claimed in claim 9, wherein said low melting point glass powder layer is formed by sintering low melting point glass powders.

13. (New) An evacuated glass panel having a degassing device, comprising:

at least two planar glass sheets including a bottom planar glass sheet and a top planar glass sheet;

support means disposed between said at least two planar glass sheets;

an edge frame component sealed around a periphery of said at least two planar glass sheets to form an evacuated space between said at least two planar glass sheets;

a groove formed on an inner surface of said bottom planar glass sheet;

an air discharge hole formed through said top planar glass sheet, said air discharge hole being aligned with said groove and having a concave portion formed on an outer surface of said top planar glass sheet;

a degassing device placed in said air discharge hole and said groove within said evacuated space of said at least two planar glass sheets;

a low melting point glass powder layer disposed on said degassing device in said air discharge hole; and

a sealing piece received in said concave portion over said low melting point glass powder layer, said sealing piece sealing and closing said air discharge hole;

wherein said degassing device is fixed in said air discharge hole and said groove, and jointed to said sealing piece by said low melting point glass powder layer.

14. (New) The evacuated glass panel as claimed in claim 13, wherein said sealing piece has a thickness equal to the depth of said concave portion above said low melting point glass powder layer so as to close said air discharge hole to form an even surface for said evacuated glass panel.

15. (New) The evacuated glass panel as claimed in claim 13, wherein said low melting point glass powder layer has a thermal conductivity smaller than the thermal conductivity of said at least two planar glass sheets.
16. (New) The evacuated glass panel as claimed in claim 13, wherein said groove has a square, circular or cone shape.
17. (New) The evacuated glass panel as claimed in claim 13, wherein said low melting point glass powder layer is formed by sintering low melting point glass powders.